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NOTICE OF ALLOWANCE AND FEE(S) DUE

31780

7590

09/17/2002

ERIC ROBINSON PMB 955 21010 SOUTHBANK ST. POTOMAC FALLS, VA 20165 EXAMINER
BLACKMAN, ANTHONY J

ART UNIT

345-030000

CLASS-SUBCLASS

DATE MAILED: 09/17/2002

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902.622	07/12/2001	Jun Kovama	740756-2339	3008

TITLE OF INVENTION: DRIVE CIRCUIT OF ACTIVE MATRIX TYPE DISPLAY DEVICE HAVING BUFFER WITH PARALLEL CONNECTED ELEMENTAL CIRCUITS AND MANUFACTURING METHOD THEREFOR

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	МО	\$1280	\$300	\$1580	12/17/2002

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN <u>THREE MONTHS</u> FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. <u>THIS STATUTORY PERIOD CANNOT BE EXTENDED</u>. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Box ISSUE FEE

Commissioner for Patents Washington, D.C. 20231 (703)746-4000

Fax

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where

indicated unless corrected maintenance fee notification	below or directed otherwins.	ise in Block I, by (a) sp	ecifying a new co	of maintenance for rrespondence add	ees will be mailed to the current lress; and/or (b) indicating a sep	correspondence address as arate "FEE ADDRESS" for
	CE ADDRESS (Note: Legibly mark	-	Block 1)	Note: A certification	ate of mailing can only be used for	or domestic mailings of the
	590 09/17/2002	2		accompanying	ittal. This certificate cannot papers. Each additional paper,	such as an assignment or
ERIC ROBINSO)N			iormai drawing,	must have its own certificate of r	nailing or transmission.
PMB 955	NIV OT			I haraby cartify	Certificate of Mailing or Tran	smission
21010 SOUTHBA				United States Po	that this Fee(s) Transmittal is estal Service with sufficient posta sed to the Box Issue Fee address	ge for first class mail in an
POTOMAC FALL	25, VA 20105			envelope addres transmitted to th	sed to the Box Issue Fee address e USPTO, on the date indicated b	above, or being facsimile selow.
						(Depositor's name)
						(Signature)
					 .	(Date)
APPLICATION NO.	FILING DATE	FIRS	ST NAMED INVEN	OR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,622	07/12/2001		Jun Koyama		740756-2339	3008
TITLE OF INVENTION: ELEMENTAL CIRCUITS				DEVICE HAVIN	NG BUFFER WITH PARALL	EL CONNECTED
APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLI	CATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1280		\$300	\$1580	12/17/2002
EXAMI	NER	ART UNIT	CLASS-SUBCL	ASS		
BLACKMAN,	ANTHONY J	2672	345-03000	<u> </u>		
1. Change of corresponder CFR 1.363).	nce address or indication o	f "Fee Address" (37		on the patent from		
☐ Change of correspond Address form PTO/SB/1	ence address (or Change o 22) attached.	f Correspondence	single firm (ha	alternatively, (2) ving as a memb	er a registered	
□ "Fee Address" indicate	ion (or "Fee Address" Indi or more recent) attached. I	cation form Use of a Customer		nt) and the nam attorneys or age will be printed.		
3. ASSIGNEE NAME AND	RESIDENCE DATA TO	BE PRINTED ON THE	PATENT (print or	· type)		
	n assignee is identified be to the USPTO or is being	elow, no assignee data w submitted under separate	-	atent. Inclusion on of this form is N	f assignee data is only appropriatiOT a substitute for filing an assign COUNTRY)	e when an assignment has gnment.
Please check the appropriate	e assignee category or cate	gories (will not be printed	d on the patent)	☐ individual	☐ corporation or other private g	roup entity government
4a. The following fee(s) are	enclosed:	4b. Pay	ment of Fee(s):			
☐ Issue Fee		☐ A ch	eck in the amount	of the fee(s) is en	closed.	
☐ Publication Fee		🔾 Payr	nent by credit card	. Form PTO-2038	is attached.	
☐ Advance Order - # of C	Copies	☐ The	Commissioner is h	ereby authorized	by charge the required fee(s), or of enclose an extra copy of this	credit any overpayment, to
Commissioner for Patents is	requested to apply the Iss				usly paid issue fee to the applicat	
(Authorized Signature)		(Date)			***	
NOTE; The Issue Fee an other than the applicant; interest as shown by the re	d Publication Fee (if requal registered attorney or cords of the United States	uired) will not be accept agent; or the assignee o Patent and Trademark Of	ed from anyone r other party in ffice.			
This collection of informa obtain or retain a benefit application. Confidentialiti estimated to take 12 minu completed application for case. Any comments on suggestions for reducing to Patent and Trademark Off NOT SEND FEES OR Commissioner for Patents,	y is governed by 35 U.S.C tes to complete, including	tile (and by the USPIC 1. 122 and 37 CFR 1.14. 7 1. gathering, preparing, and	to process) an This collection is d submitting the			
Under the Paperwork Re collection of information u						



UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION NO), F	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,622		07/12/2001	Jun Koyama	740756-2339	3008
31780	7590	09/17/2002		EXAMIN	ER
ERIC ROBIN	NSON			BLACKMAN, ANTHONY J	
PMB 955 21010 SOUTH	IBANK ST			ART UNIT	6-2339 3008 EXAMINER ACKMAN, ANTHONY J IT PAPER NUMBER
POTOMAC F	ALLS, VA	20165		2672	
			DA	ATE MAILED: 09/17/2002	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 0 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 0 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)



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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/902,622		07/12/2001	Jun Koyama	740756-2339	3008	
31780	31780 7590 09/17/2002			EXAMINER		
ERIC ROBINSON				BLACKMAN, ANTHONY J		
PMB 955 21010 SOUT	HBANK ST	Γ.		ART UNIT	PAPER NUMBER	
	POTOMAC FALLS, VA 20165 UNITED STATES			2672		
				DATE MAILED: 09/17/2002		

Notice of Possible Fee Increase on October 1, 2002

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after October 1, 2002, then the amount due may be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there may be an increase in fees effective on October 1, 2002. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Notice of Proposed Rulemaking, 67 Fed. Reg. 30634, 30636 (May 7, 2002). Although a change to the amount of the publication fee is not currently proposed for October 2002, if the issue fee or publication fee is to be paid on or after October 1, 2002, applicant should check the USPTO web site for the current fees before submitting the payment. The USPTO Internet address for the fee schedule is: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of any fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after October 1, 2002 (or mailed with a certificate of mailing on or after October 1, 2002), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Application No.

09/902,622

Applicant(s)

Examiner

Art Unit

2672

KOYAMA et al

Notice of Allowability

Anthony Blackman

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. X This communication is responsive to 8/22/2002 2. X The allowed claim(s) is/are 1-32 3. The drawings filed on are accepted by the Examiner. 4. X Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d). c) None of the: a) X All b) Some* 1. X Certified copies of the priority documents have been received. 2. X Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). *Certified copies not received: 5. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application). (a) The translation of the foreign language provisional application has been received. 6. Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 7. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 8. X CORRECTED DRAWINGS must be submitted. (a) X including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) X hereto or 2) \(\subseteq\) to Paper No. (b) including changes required by the proposed drawing correction filed approved by the examiner. (c) including changes required by the attached Examiner's Amendment/Comment or in the Office action of Paper No. Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the top margin (not the back) of each sheet. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson. 9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1 Notice of References Cited (PTO-892) 2 Notice of Informal Patent Application (PTO-152) 3 Notice of Draftsperson's Patent Drawing Review (PTO-948) 4 X Interview Summary (PTO-413), Paper No. 9. 5 X Information Disclosure Statement(s) (PTO-1449), Paper No(s). 4 and 5 6 Examiner's Amendment/Comment 7 Examiner's Comment Regarding Requirement for Deposit of Biological 8 X Examiner's Statement of Reasons for Allowance Material 9 Other

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DETAILED ACTION

Allowable Subject Matter

1. The following is an examiner's statement of reasons for allowance for claims 1-29: none of the recited prior art, applicant's admitted prior art, EDWARDS US Patent Number 5,335,023 nor SANO US Patent Number 5,376,926 teach or suggest either singly or in combination an active matrix device wherein "... a circuit of one buffer connectted to one signal line is positioned on a same line as a circuit of another buffer circuit connected to another signal line."

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Blackman whose telephone number is (703) 305-0833. The examiner can normally be reached on Monday through Friday from 8 a.m. to 4 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Razavi, can be reached on (703) 305-4713.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks Washington, D.C. 20231

Art Unit: 2672

or faxed to:

(703) 872-9314, (for formal communications intended for entry) Or:

(703) 746-5731 (for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park 11, 2121 Crystal Drive, Arlington.

VA.,

Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

JEFFERY BRIENT PRIMARY EXAMINER

Patent Examiner

Anthony J. Blackman

Application/Control Number: 09902622

Art Unit: 2672

2/21/2002

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